



TOWN OF RIVERHEAD

Sean M. Walter, Supervisor

200 Howell Avenue

Riverhead, NY 11901-2596

Telephone: 631-727-3200

BID # RWD-2017-21

BID FOR: WELL & PUMP SERVICE

BIDDERS NAME

BIDDERS ADDRESS

CITY, STATE, ZIP

(____) _____ (____) _____
PHONE NUMBER FAX NUMBER

E-MAIL ADDRESS

In compliance with your advertisement for bids to be opened on **May 17, 2017**, and subject to all conditions thereof, the undersigned hereby proposes to furnish the item(s) and/or service(s) itemized in this proposal in accordance with the Notice to Bidders, General Information Agreement and Specifications contained herein on the Bid Proposal Form attached.

Bidder certifies that the prices quoted herein do not include Federal Excise Tax or any Federal, New York State or City Sales Tax and are not higher than prices charged to any governmental or commercial consumer for like merchandise and/or service; and all prices shall include shipping and freight charges to any Municipal building or site within the Town of Riverhead.

Respectfully submitted,

SIGNED BY

TITLE

BIDDERS ARE INVITED TO ATTEND BID OPENING

**TOWN OF RIVERHEAD
NOTICE TO BIDDERS**

Sealed bids for the purchase of **WELL & PUMP SERVICE** for use by the Town of Riverhead will be received by the Town Clerk of the Town of Riverhead at Town Hall, 200 Howell Avenue, Riverhead, New York, 11901, until **11:00 a.m. on May 17, 2017**, at which time all bids received shall be opened and read aloud.

Bid Specifications may be obtained by visiting the Town of Riverhead website at www.townofriverheadny.gov. Click on "**Bid Requests**" and follow the instructions to register.

All bids are to be submitted in a sealed envelope bearing the designation **BIDS FOR WELL & PUMP SERVICE – BID #RWD-2017-21**. All bids must be submitted on the bid form provided. Any and all exceptions to the Specifications must be listed on a separate sheet of paper, bearing the designation "**EXCEPTIONS TO THE SPECIFICATIONS FOR WELL AND PUMP SERVICE**" and be attached to the bid form.

NOTE: Bid responses must be delivered to the Office of the Town Clerk at the address above on or before May 17, 2017, at 11:00 a.m. The Town may decline to accept, deem untimely and/or reject any bid response/proposal that is not delivered to the Office of the Town Clerk.

The Town Board reserves the right and responsibility to reject any or all bids or to waive any formality if it believes such action to be in the best interest of the Town.

BY ORDER OF THE TOWN BOARD
OF THE TOWN OF RIVERHEAD

Diane M. Wilhelm, Town Clerk

GENERAL SPECIFICATIONS

Bidders shall be responsible to carefully examine the Specifications enclosed.

Bidders shall furnish their price and/or lump sum bid as called for on the Bid Proposal Sheet(s) attached.

Alternates of equal or superior design and/or quality shall be listed separately and a Manufacturer's Specification Sheet shall be submitted with a bid. Failure to submit such data may result in the disallowing of said bid. The equipment and all associated components shall be furnished complete and ready for use. The equipment furnished shall be the Manufacturer's latest listed and published model, or models, which meet all the applicable requirements of these Specifications. These Specifications require the doing of all things necessary or proper for, or incidental to, the furnishing and delivery of said equipment and associated components.

All things not expressly mentioned in these specifications, but involved in carrying out their intent are required by these Specifications; and the vendor shall perform the same as though they were specifically mentioned, described and delineated.

Bidders shall furnish five (5) references for other water municipalities/companies with the submission of their bid.

COMPLIANCE WITH RULES AND REGULATIONS

The unit and associated equipment furnished shall comply with all provisions which would be applicable, if the Town of Riverhead were a private corporation of Federal and State of New York Laws, Ordinances, Codes, Rules, Regulations, Orders, Permits and Licenses and with fire underwriters requirement, except that where the weight and dimensions requirements set forth herein exceed such provisions, these Specifications shall control if applicable to the bid.

DEVIATION

Minor deviations from the provisions of these Specifications will be considered to permit manufacturers to follow their standard manufacturing process. Such deviations will be approved, however, only in the sole discretion of the Town of Riverhead and only if in its opinion they do not adversely affect the operation, maintenance, strength, efficiency, effectiveness, or life of the unit or any of its parts.

All proposed minor deviations, with full details, must be listed on a separate Detail Sheet, which must be attached to and made part of this bid.

The Town of Riverhead reserves the absolute right in its sole discretion to accept that bid, if any, which under all circumstances will best serve the public interest.

GUARANTEE

The vendor warrants and guarantees the equipment herein specified, including all associated equipment furnished, against any defects in design, workmanship and materials, and against failure to operate satisfactorily for a period of six months from the date of acceptance of the units, except defects or failure shown by the vendor. The vendor also warrants and guarantees that the equipment herein specified, if found to be

defective or in need of repairs, will be picked up from and delivered back to the Town of Riverhead within a reasonable length of time.

PRICES

If a like or lower quantity of a standard item contained in this bid is sold by a vender at a price less than the prices quoted herein, the price to the Town of Riverhead shall be reduced to that lower price.

QUANTITY

The Town of Riverhead is in no way obligated to purchase quantities neither shown nor limited to the quantities listed.

RESERVATIONS

The mention in the specifications of any unit, component, or equipment by brand name and/or model is meant to convey to the potential bidder the type and quality of the product required and desired by the town. Any unit, component, or equipment which is of equal type and quality may be considered as such and may be acceptable to the town, upon agreement by the Town Board to that fact. The decision of the Town Board, however, in such a circumstance is final.

Furthermore, the Town Board of the Town of Riverhead reserves the right and responsibility to reject any or all bids if they believe such action to be in the best interest of the Town.

INSURANCE REQUIRED

The successful bidder will be required to procure, pay for and keep in full force and effect during the term of this contract, the following types of insurance:

Workers Compensation Insurance
Commercial General Liability and Umbrella Liability
Bidder's Protective Liability and Property Damage Insurance
Owner's (TOWN, DISTRICT) Protective Public Liability and Property
Damage Insurance
Automobile Liability Insurance

The Bidder shall not permit any subcontractor to commence any operation on the site until satisfactory proof of carriage of the above required insurance has been posted with, and approved by, the TOWN DISTRICT.

- A. Workers' Compensation Insurance - The Bidder shall take out and maintain, during the life of this Contract, Workers' Compensation Insurance for all of his employees employed at the site of the project, and in any case of any of the work being sublet, the Bidder shall require the subcontractor similarly to provide Workers' Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded by the Bidder.
- B. Commercial General Liability and Umbrella Liability Insurance - The Bidder shall take out and maintain during the life of this Contract such insurance as shall protect him and any subcontractor performing

work covered by this Contract for claims for damages for personal injury, including accidental death, as well as from claims for property damage which may arise from operations under this Contract, whether such operations be by himself or by any subcontractor, or by any one directly or indirectly employed by either of them, and the amounts of such insurance shall be as follows:

- (1) Comprehensive General Liability Insurance in the amount not less than ONE MILLION DOLLARS (\$1,000,000.) each occurrence and TWO MILLION DOLLARS (\$2,000,000.) general aggregate.
- (2) Umbrella Liability for bodily injury and property damage in an amount not less than FIVE MILLION DOLLARS (\$5,000,000.).

The above policies for commercial general liability and umbrella liability insurance must be so written as to include Bidder's Protective Liability Insurance to protect the bidder against claims arising from the operations of any subcontractor.

The above policies for Commercial General Liability insurance must name the Town of Riverhead, The Riverhead Water District, its employees, public officials, officers, agents, etc., as additional insureds on a primary and non-contributory basis for General Liability, Automobile Liability and/or Excess Umbrella Liability. That additional insured status must be evidenced by a copy of endorsement CG 20 10 10 01, "additional insured – owners, lessee or bidders – scheduled person or organization" endorsement (see attached sample) or its equivalent and copy of endorsement CG 20 37 10 01, "additional insured – owners, lessees or bidders - completed operations" endorsement (see attached sample), or its equivalent.

- C. Blanket Waiver of Subrogation – The above policies for workers' compensation insurance as well as comprehensive general liability insurance, automobile insurance, and excess umbrella liability insurance shall include waiver of transfer of rights of recovery against the Town of Riverhead, The Riverhead Water District, et.al. Such waiver of subrogation shall be evidenced by certificate of insurance or copy of endorsement to the appropriate policy.
- D. Owner's Protective Liability Insurance – (TOWN DISTRICT, and/or TOWN BOARD, TOWN OF RIVERHEAD as OWNER) – If the Town of Riverhead, Riverhead Water District deem necessary, the Bidder shall furnish to the TOWN DISTRICT with respect to the operations he or any of his subcontractors perform, a regular Owner's Protective Liability Insurance Policy for and in behalf of the TOWN DISTRICT and/or TOWN BOARD, TOWN OF RIVERHEAD as OWNER, providing for a limit of not less than ONE MILLION DOLLARS (\$1,000,000.) each occurrence, a total limit of TWO MILLION DOLLARS (\$2,000,000.) general aggregate for all damages arising out of bodily

injuries to, or death of, two or more persons in any one accident; and regular Protective Property Damage Insurance providing for a limit of not less than ONE HUNDRED THOUSAND DOLLARS (\$100,000.) for all damages. The insurance must fully cover the legal liability of the TOWN DISTRICT and/or TOWN BOARD, TOWN OF RIVERHEAD as OWNER. The coverage provided under this policy must not be affected if the TOWN DISTRICT performs work in connection with the project either for, or in cooperation with, the Bidder or as an aid thereto, whether the same be a part of the Contract or separate therefrom, by means of its own employees or agents, or if the TOWN DISTRICT directs or supervises the work to be performed by the Bidder.

- E. Commercial Automobile Liability - The Bidder shall take out and maintain during the life of the Contract such automobile public liability insurance as shall protect him and any subcontractor performing work covered by this Contract from claims for damages for personal injury, including accidental death as well as from claims for property damage which may arise from operations under this Contract, whether such operations be by himself or by any subcontractor, or by any one directly or indirectly employed by either of them and the amounts of such insurance shall be as follows:

- (1) Automobile Public Liability Insurance in an amount not less than ONE MILLION DOLLARS (\$1,000,000.) for bodily injuries, including wrongful death per occurrence.
- (2) Umbrella Liability for bodily injury and property damage in an amount of not less than FIVE MILLION DOLLARS (\$5,000,000.).

PROOF OF CARRIAGE OF INSURANCE

The Bidder shall furnish the TOWN DISTRICT with certificates of each insurer insuring the Bidder or any subcontractor under this Contract, except with respect to subdivision D above. In respect to this paragraph, the Bidder shall furnish the TOWN DISTRICT with the original insurance policy and a copy to the Engineer.

Both certificates, as furnished, and the insurance policy, as required, shall bear the policy numbers, the expiration date of the policy and the limit or limits of liability thereunder. Both the certificates and the policy shall be further endorsed to provide the TOWN DISTRICT and Engineer with any notice of cancellation at least thirty (30) days prior to the actual date of such cancellation.

COMPLIANCE WITH LABOR AND PENAL LAWS

The Bidder hereby expressly agrees to comply with all the provisions of the Labor Law and any and all amendments thereto, insofar as the same are applicable to this Contract. The Labor Laws, as amended, provide that no laborer, worker or mechanic in the employ of the Bidder, subcontractor or other person doing or contracting to do the whole or a part of the work contemplated by this Contract, shall be permitted or required to work more than eight (8) hours in any one calendar day, except in cases

of extraordinary emergency caused by fire, flood, or danger to life or property; that no such person shall be employed more than eight (8) hours in any day or more than five (5) days in any week, except in such emergency; that the wages to be paid for a legal day's work as hereinbefore defined, to laborers, workers, or mechanics upon the work called for under this Contract, or for any materials used upon or in connection therewith shall not be less than the prevailing rate for a day's work in the same trade or occupation in the locality within the State where such work is to be done and each laborer, worker, or mechanic employed by the Bidder, subcontractor, or other person about or upon the work shall be paid the wages herein provided; that employees engaged in the construction outside the limits of cities and villages are no longer exempt from the provisions of the Labor Laws which required the payment of the prevailing rate of wages and the eight (8) hour day.

Section 220A of the Labor Law, as amended by Chapter 472 of the Laws of 1932, provides that before payment is made by or on behalf of the State or any City, County, Town or Village or other civil division of the State, of any sums due on account of a contract for a public improvement, it is the duty of the Comptroller or the financial officer of the Municipal Corporation to require the Bidder and each and every subcontractor to file a certified statement in writing, in satisfactory form, certifying to the amounts then due and owing to any and all laborers for daily or weekly wages on account of labor performed upon the work of the Contract, setting forth therein the names of the persons whose wages are unpaid and the amount due each, respectively.

Section 2208 of the Labor Law, as amended, provides that any interested person who shall have previously filed a protest in writing objecting to the payment to any Bidder or subcontractor to the extent of the amount or amounts due or to become due to him for daily or weekly wages for labor performed on the public improvement for which the Contract was entered into, or if, for any other reason, it may be deemed advisable, the Comptroller of the State or other financial officer of the Municipal Corporation may deduct from the whole amount of any payment on account thereof the sum or sums admitted by any Bidder or subcontractor in such statement or statements so filed to be due and owing by, him on account of labor performed and may withhold the amount so deducted for the benefit of the laborers for daily or weekly wages, whose wages are unpaid as shown by the verified statements filed by any Bidder or subcontractor and may pay directly to any person the amount or amounts so shown to be due for such wages.

Section 220C of the Labor Law, as amended, provides the penalty for making of a false oath or verification.

Section 220D of the Labor Law provides that the advertised specifications for every Contract for the construction, reconstruction, maintenance and/or repair of highways to which the State, County, Town and/or Village is a party shall contain the provision stating the minimum rate of hourly wage that can be paid, as shall be designated by the Industrial Commissioner, to the laborers employed in the performance of the Contract, either by the Bidder, subcontractor or other person doing or contracting to

do the whole or part of the work contemplated by the Contract, and the Contract shall contain a stipulation that such laborers shall be paid not less than such hourly minimum rate of wage. Any person or corporation that willfully pays after entering into such Contract less than such stipulated minimum hourly wage scale shall be guilty of a misdemeanor and, upon conviction, shall be punished for a first offense by a fine of Five Hundred Dollars (\$500.) or by imprisonment for not more than thirty (30) days, or by both fine and imprisonment for a second offense by a fine of One Thousand Dollars (\$1,000.) and, in addition thereto, the Contract on which the violation has occurred shall be forfeited; and no such person or corporation shall be entitled to receive any sum or nor shall any officer, agent or employee of the State pay the same or authorize its payment from the funds under his charge or control to any person or corporation for work done upon any contract, on which the Bidder has been convicted of second offense in violation of the provisions of this Section.

The minimum wage rates are established by the Industrial Commissioner, State of New York, for this Contract. It is the bidder's responsibility to ensure wages are paid in accordance with latest revision.

All excavation shall be done in compliance with Article 36 of the General Business Law and notices given as provided by GBL Section 761.

CONTRACT PERIOD

The Contract Period shall be effective from **June 19, 2017**, to **June 18, 2018**. At the termination of this contract, the contract may be extended (not to exceed two extensions) for a total three (3) year contract at the sole discretion of the Town of Riverhead and with the consent of the vendor.

MUNICIPAL EXEMPT STATUS

The Town is exempt from the payment of Federal, State and local taxes. Taxes must not be included in proposal prices. The Town will furnish necessary exemption paperwork upon request.

FUEL SURCHARGES

The Town of Riverhead will not pay any type of fuel surcharge. Any fuel charges added will be deleted from any payments made to the vendor.

PIGGYBACKING CLAUSE METHOD OF AWARD

The contract, if awarded, will be to the lowest responsive/responsible bidder(s) in part or in whole who meet(s) all the terms of the specifications or on the basis of best value in a manner consistent with all applicable provisions of **General Municipal Law 103**. The TOWN guarantees no minimum or maximum purchases or contracts as a result of award of this bid. The Town of Riverhead seeks to offer and make available this contract for commodity, product or services to members (commissioner elected, town or village water district members of the Long Island Water Conference which maintain and manage their own water distribution system and meet criteria set forth in General Municipal Law, Article Five § 119-o related to town, village or special districts authorization to enter into cooperative agreements authorized by applicable provisions of Town Law and General Municipal Law that have entered into the purchasing cooperative agreement, of the LIWCPC and reserves the right to allow all

municipal and not for profit organizations authorized under the General Municipal Laws of the State of New York, to purchase any goods and/or services awarded as a result of this bid in accordance with the latest amendments to **NYS GML 100 through 104**. However, it is understood that the extension of such contracts are at the discretion of the vendor and the vendor is only bound to any contract between the Town of Riverhead and the vendor. Additionally, the TOWN reserves the right to purchase any goods or services included as a part of this bid from any means legally available to it.

BID SPECIFICATIONS ARE ATTACHED TO THE END OF THIS DOCUMENT.

**RIVERHEAD WATER DISTRICT
WELL AND PUMP SERVICE
BID #RWD-2017-21**

NON-COLLUSIVE CERTIFICATE

(MUST BE COMPLETED, SIGNED, NOTARIZED AND RETURNED WITH BID)

UNDER PENALTIES OF PERJURY:

_____(BIDDER), BEING DULY SWORN,
DEPOSES AND SAYS:

- A) This bid or proposal has been independently arrived at without collusion with any other bidder or with any competitor or potential competitor;
- B) This bid or proposal has not knowingly been disclosed, prior to the opening of bids or proposals for this project, to any other bidder, competitor, or potential competitor;
- C) No attempt has been made or will be made to induce any other person, partnership, or corporation to submit or not to submit a bid or proposal;
- D) The person signing this bid or proposal certifies that he has been fully informed regarding the accuracy of the statements contained in this certification, and under penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as the person signing on it's behalf; and
- E) That the attached hereto (if a corporate bidder) is a certified copy of a resolution authorizing the execution of this certificate by the signatory of this bid or proposal on behalf of the corporate bidder.

Corporation: _____
(PRINT CORPORATION NAME)

By: _____
(SIGNATURE)

(TITLE)

Address: _____

Sworn to before me this ____ day
of _____, 20_____.

NOTARY PUBLIC

**RIVERHEAD WATER DISTRICT
WELL AND PUMP SERVICE
BID #RWD-2017-21**

BID PROPOSAL/ACCEPTANCE

I/WE FULLY UNDERSTAND THAT THE ACCEPTANCE OF THIS BID IS SUBJECT TO THE PROVISIONS OF SECTION 103A AND 103B OF ***GENERAL MUNICIPAL LAW***.

NAME OF AGENT/DEALER

ADDRESS

CITY, STATE, ZIP CODE

CONTACT PERSON

SIGNATURE OF DEALER/AGENT

DATE

**RIVERHEAD WATER DISTRICT
WELL AND PUMP SERVICE
BID #RWD-2017-21**

IRAN DIVESTMENT ACT CERTIFICATION

As a result of the Iran Divestment Act of 2012 (Act), Chapter 1 of the 2012 Laws of New York, a new provision has been added to the State Finance Law (SFL), § 165-a, effective April 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list (prohibited entities list) of “persons” who are engaged in “investment activities in Iran” (both are defined terms in the law). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act’s effective date, at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, Bidder/Bidder (or any assignee) certifies that once the prohibited entities list is posted on the OGS website, it will not utilize on such Contract any subcontractor that is identified on the prohibited entities list.

Additionally, Bidder/Bidder is advised that once the list is posted on the OGS website, any Bidder seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to the solicitation, must certify at the time the Contract is renewed, extended or assigned that it is not included on the prohibited entities list.

During the term of the Contract, should the TOWN OF RIVERHEAD receive information that a person is in violation of the above-referenced certification, the TOWN OF RIVERHEAD will offer the person an opportunity to respond. If the person fails to demonstrate that it has ceased its engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the TOWN OF RIVERHEAD shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages, or declaring the Bidder in default.

The TOWN OF RIVERHEAD reserves the right to reject any bid or request for assignment for an entity that appears on the prohibited entities list prior to the award of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the prohibited entities list after contract award.

Signature: _____

Print Name: _____

Title: _____

Company Name: _____

Date: _____

**RIVERHEAD WATER DISTRICT
WELL AND PUMP SERVICE
BID #RWD-2017-21**

Please furnish the following information:

1. Please list name(s) of contact person(s):

During normal hours:

After hours:

2. Please list your days and hours of business: _____

3. Please list day business phone numbers(s): _____

4. Please list night business phone number(s): _____

5. Please list emergency phone number(s): _____

6. Please confirm guaranteed response time, including primary place of dispatch:

A) During normal business hours during week: _____

B) After normal business hours during week: _____

C) Weekends and holidays - all hours: _____

Company: _____

Address: _____

Location of nearest facility (if different from above)

By: _____
Signature, Title

Date: _____

**RIVERHEAD WATER DISTRICT
WELL AND PUMP SERVICE
BID #RWD-2017-21**

The Riverhead Water District has seventeen (17) wells at ten (10) sites, using turbine pumps driven by vertical hollow shaft motors. Three (3) of the electric motor driven well pumps also have combination gear drives, which also allow them to be powered by diesel engines. One well employs only a gear drive, with diesel engines to power pump. Pump settings are between 70-200 feet deep and consist of 10", 11", 12" and 13" bowl assemblies, 8" or 10" threaded and coupled steel column pipe, with line shafting ranging in diameter from 1 3/16" to 1 11/16" and cast iron discharge heads. Electric motors are all 1800 RPM and range from 75-200 horsepower. All wells are housed in various style buildings, with removable hatches located directly above pumps, allowing them to be pulled from the wells, using a truck mounted rig. Three (3) newer wells equipped with 25 H.P. submersible pumps are installed in "pit-less" adapters and can be easily accessed and pulled using a smaller truck mounted pump rig.

The primary purpose of this contract is to ensure that the District will have available, in an emergency, a company to provide labor, equipment and materials required to return a well to service as soon as possible after a breakdown. Work will typically involve one or a combination of: pulling, disassembling, inspecting pump, along with removal of electric motor and/or combination gear drive, to confirm overall condition and to permit the District to decide whether to repair or replace various components including bowl and column pipe and shaft assembly. After performing repairs required insuring future reliable operation and best possible performance, the equipment will be reinstalled, the well sterilized, sampled, and tested to confirm proper operation and the ability to be returned to service. In addition, the bidder may be required to check the condition of the well, employing standard methods to confirm the screen and casing are still sound. The District will require that the well be measured, bailed with possibly a television inspection and caliper log performed before proceeding with re-installation of the pump. Some "non-emergency" service may also be done under this contract.

Based on these objectives, the bidder shall provide a proposal to furnish labor and equipment to perform the following:

DISASSEMBLY & INSPECTION WORK

Pump shall be disconnected from piping and removed from the well, disassembled and inspected. A limited "field inspection" of pump shall be performed on-site. A District Representative, in conjunction with the bidder, will inspect to determine if either replacement or repair of the components is required. Prior to inspection of deep well turbine pump the exterior of column pipe will be power washed and inside of column couplings cleaned.

Bowl assembly shall be partially disassembled, including removal of suction and discharge nozzles. Stuffing box shall be removed from discharge head.

Combination Drive: Disconnect from engine and lift from pump discharge head. Remove and replace steady bearing, drain lubricant and inspect.

Electric Motor: Disconnect from controls and load on District truck or store on site.

Bidder shall document results of inspection in a written Field Report to the District.

WELL INSPECTION

Measure and bail well to bottom and collect sample of any material removed from well. If significant sand and gravel are obtained, a sieve analysis shall be performed of the sample with written report furnished to the District.

OPTIONAL

Closed circuit television inspection shall be conducted using a color camera capable of providing axial as well as radial view of all interior well surfaces including casing, screen, packer, etc. A full written report, by operator of camera, will be rendered and a VHS Tape or DVD shall be provided for future viewing. Caliper log will measure and record all interior dimensions of well, including casings and screen.

REPLACEMENT OF GENERIC PUMP COMPONENTS

Bidder shall furnish all labor, plant, tools and trucking to provide the following replacement pump back to site and ready for installation within a timely manner of authorization to proceed from the District.

Note: All replacement parts and components used in the repair or as replacements shall be fabricated from and meet NSF 372 or 61G requirements for "lead free" materials, unless otherwise approved by The District.

Discharge Head

Stuffing box, replace bushing

Clean and paint outside of head

Column Assembly

Water Lube constructed with threaded and coupled, "uncoated" extra heavy wall steel pipe (**SCH. 40**), 400 series stainless steel shafting with 304 stainless raised sleeves and couplings with bronze "drop in" bearing retainers in the following lengths:

Top Special x 5' long pipe, threaded to match existing discharge head, with new 300 series stainless steel top special shaft, adapted to existing motor drive shaft.

Bottom Special x 5' long, threaded to match existing or new bowl.

Intermediate sections x 10' long.

Line shafts will be sized according to motor horsepower or to suit existing conditions ranging in diameter from 1 3/16, 1 1/2 or 1 11/16 inches.

4" extra heavy steel submersible threaded and coupled drop pipe in various lengths (**SCH. 40**).

Bowl Assembly

Furnish new unit designed and constructed as follows:

10", 11", 12" or 13" nominal cast iron bronze fitted "water lube" with 400 series stainless steel impeller shaft, aluminum bronze ASTM C952 alloy bowl wear rings and 400 series stainless steel collets and cast aluminum bronze ASTM C952 alloy "closed" impellers. Impeller shaft shall ride on ASTM C932 bronze bushings.

Design: will determine number of stages and trim 82% (min) efficiency @ 1775 RPM. For the purpose of this bid, 50 feet of head per stage should be used. Suction Pipe

matching suction nozzle will be furnished with “first stage” and fabricated from “extra heavy” black steel 8” or 10” diameter, with lugs x 10’ long.

Certified test of bowl assembly may be required. Bowl selection and list of materials shall be approved by District representative before order is finalized, with shipment only after District authorization.

Field Full Performance Test will be required after installation of either new or repaired bowl assembly. Test will be conducted as described under “TESTING”

SHOP REPAIR

Bidder shall have the ability to perform or have various machine work done, including but not limited to removing and reinstalling bushings, fabricating and installing bowl or impeller wear rings and various lengths and diameter shafts.

FIELD REPAIRS

Bidder shall have available a mechanic with service truck and hand tools to perform repair work “in field,” including but not limited to repacking stuffing box, replace gear drive steady bearing, U.S. Motor VHS thrust bearing and any other repair work not requiring the use of pump hoisting rig.

COMBINATION GEAR DRIVE

Replace Steady Rest Bearing

Drain and replace lubricant

ELECTRIC MOTOR SERVICE

Store on site or load on District truck for delivery to local repair shop. District will arrange and pay directly for any motor repairs required or replacement under another contract.

REINSTALLATION OF PERMANENT PUMP

If no unusual conditions are found, no other well work will be required.

Well shall be chlorinated using a solution of 250 PPM chlorine and water introduced into well through a hose from “bottom up.” This solution shall be introduced into well just before pump is set. An alternate method will require adding sufficient water to completely displace all water in well casing while injecting chlorine so that a total solution of 250ppm is achieved.

The pump will be reinstalled in the well after all components are cleaned. Prior to installation of a deep well turbine pump the exterior of new or existing column pipe will be power washed and as column pipe is lowered into the well, each section shall be sprayed or swabbed with a 5% chlorine solution. Each section of column shall be assembled using “Industry accepted” practices with joint compounds NSF 61 approved and applied as follows:

Shaft Assembly – Never seize on threads and shaft face. “Loctite” thread compound used on all column threads, with couplings installed “on-site” just before installation.

Shaft run-out must be measured and shafts straightened, if required, to .0015”/foot or less.

Airline and stilling tube shall be started at bottom of suction pipe. Both lines shall be made of polyethylene plastic, continuous length with no splices. One line shall be ¾”

O.D. 5/8" I.D. and the other 3/8" O.D. 1/4" I.D. The larger tube shall have a fitting installed in bottom which will reduce the I.D. to 1/4". Lines shall be secured in place every ten feet; using soft 14-gage stainless steel or copper tie wire at every column connection and just above and below bowl assembly. Both lines shall be brought through discharge head. Existing altitude and pressure gages shall be used and installed. 3/4" stilling tube shall terminate just inside head inside nipple with pipe cap. If installing these lines results in a lack of venting capacity, the bidder shall drill and tap the required additional holes so that a 3/4" vent line will be available unrestricted.

Pump discharge head will be reset in place and re-connected to piping. Motor and combination drive shall be reinstalled and connected mechanically and electrically.

Old grout around and under base plate will not have to be removed if it is in good condition.

In the event that the pump head cannot be leveled plumb, the bidder will break out old grout; shim base plate so pump head provides the best shaft alignment to insure smooth, reliable operation. Head will be sealed to base using either "Permatex #2" or silicon sealant.

Motor shall be set and aligned on discharge head, connected to electric and vibration checked before drive coupling is installed or impeller adjustment is made.

The bidder will be required to show that the pump operates at least as smoothly as it did before the repairs were made. If the pump vibrates perceptively during the final testing, bidder will have to provide required corrective action at no additional cost to the District.

FURNISH and INSTALL SUBMERSIBLE PUMP and MOTOR

BOWL ASSEMBLY

Pump shall be designed for pumping water, at a rated capacity of 250 Gallons per Minute vs 251 feet Total Dynamic Head (including friction loss.), with a minimum Efficiency of 75% and maximum 20 Brake Horse Power at 3450R.P.M.

Pump bowls shall be of close-grained ASTM A48, Class 30, cast-iron and shall have porcelain enamel coating of the water passages. Bowls shall have bronze sleeve type bushings to support and guide the shaft. Bushing material shall be aluminum bronze, ASTM C932 alloy. The suction inlet shall be bell. A sand collar of rubber or bronze, ASTM C932 alloy shall be provided to protect the suction bearing from abrasives in the liquid pumped.

The intermediate stages shall be selected to provide the maximum efficiency with least number of stages. Impeller shall be of the enclosed type, cast of aluminum bronze, ASTM C952 alloy, accurately cast, machined, balanced, and filed for optimum performance and minimum vibration. The impeller shall be securely fastened to the bowl shaft with taper collets of ASTM A582, Grade 416 stainless steel. Bowl shaft shall be of sufficient diameter to transmit the pump horsepower with a liberal safety factor and rigidly support the impellers between the bowl or case bearings. The bowl shaft material shall be high chrome stainless steel of ASTM A276, Grade 410 and supported by C932 bronze bushings.

SUCTION ADAPTER

Shall be close grained, cast iron designed to serve as the suction inlet, the lower bearing housing and the motor adapter. The coupling housing portion shall be designed to prevent the entrance of abrasive material into the top end of the motor. The pump suction shall include a stainless steel strainer. The net inlet area shall be equal to at least 5 times the impeller inlet area. The coupling connecting the motor to the pump bowl assembly shall be of sufficient size and strength to withstand maximum torque generated by the motor plus added safety factor and made of 416 stainless steel and splined to the pump shaft.

SUBMERSIBLE MOTOR

Motor shall be of the vertical, submersible, and (2) pole induction type designed for continuous duty under-water operation of 3 phase, 60 cycle, and 460volt alternating current. The motor shall be designed with normal starting torque and low starting current for across the line or variable speed drive starting. The motor shall have a 1.15 service factor. The motor shall not be loaded in excess of its nameplate rating at design and not be loaded in excess of 110% of its nameplate rating at any condition from zero flow to maximum capacity of the pump.

The motor shall be manufactured by Franklin Electric, be water-filled and incorporate a mechanical seal to restrict foreign matter from entering the motor. The thrust bearing shall be of ample capacity to carry the weight of all rotating parts plus the hydraulic thrust and shall be an integral part of the driver and shall be of such size that the average life rating is based on 5 years continuous operation. A new cable shall be supplied with the motor.

SUBMERSIBLE DROP PIPE- 4" diameter, schedule 40 steel threaded and coupled discharge pipe.

COLUMN CHECK VALVE-4" with provision to permit water to slowly leak into well.

CLEAN UP

Remove all debris, sand and rubbish from the site as it accumulates during the work. Upon completion of the work, the premises shall be left in a clean, presentable condition.

SUPERVISION

The work will be subject to inspection by a Water District Representative at all times; but such inspection shall not relieve the bidder from any obligation to perform said work in accordance with the specifications. Work not done strictly in accordance with the specifications shall be corrected and made good by the bidder whenever so ordered by the District, without reference to any previous oversight or error in inspection.

TESTING

Bidder will only be paid for Full Performance Field Test, under ITEM 2 Installation of Pump, if new pump or repaired bowl assembly meets Design Point less all losses and based on Hydraulic Institute Standards for Field Performance Test. Difference between Certified Test and Full Performance Field Test shall not exceed -3% Flow at Design TDH and +5% BHP. Additional allowances for losses will be made for repaired bowl assemblies. Bidder may use either The District's flow meter or supply and connect an orifice pipe to blow off pipe to measure capacity, up to five (5) points. Bidder will also have to supply calibrated 0-200psi pressure gage and "voltage, amperage & power factor meter". Should new pump fail to meet Design Point as indicated on Certified Test

curves, Bidder, at no additional cost to The District, will be required to correct problem with pump, up to including replacing bowl assembly and conduct an additional Full Performance Test.

WARRANTY

The bidder shall warrant that all materials, supplies, and workmanship shall be the best in every respect and agrees to correct, at his own expense, any defects traceable to defects of materials supplied or workmanship which may show themselves within one (1) year after completion and acceptance of the work.

Upon expiration of the contract, the bidder shall supply the District with a one-year maintenance bond for all work performed during the contract period. The District shall reimburse the bidder dollar-for-dollar for the cost of the bond.

ITEMS FOR PAYMENT

For the purpose of estimating the cost of labor and material for emergency repair work under this contract, please submit your proposal for the following items as previously outlined:

1. Remove, inspect pump and check well:
Up to 100' setting
Up to 150' setting
Up to 200' setting
Additional cost of labor after normal hours weeks days and Saturdays.
Additional cost of labor for Sundays and holidays.
2. Disinfect well and install pump:
Up to 100' setting
Up to 150' setting
Up to 200' setting
Additional cost of labor after normal hours weeks days and Saturdays.
Additional cost of labor for Sundays and holidays.
3. Mobilization and demobilization to remove OR install electric motor
Remove electric motor
Install electric motor
Additional cost of labor after 8 hours weeks days and Saturdays.
Additional cost of labor for Sundays and holidays.
- 3A. Mobilization and demobilization to remove AND install electric motor:
Furnish labor and equipment to remove and install
Additional cost weekdays after 8 hours and Saturdays
Additional cost Sundays and holidays
4. Mobilization and demobilization to remove OR install gear drives.
Remove gear drive
Install gear drive
Additional cost of labor after 8 hours weeks days and Saturdays.
Additional cost of labor for Sundays and holidays.
5. Mobilization of crew and equipment to remove and reinstall submersible pump with up to 110 ft. of 4" diameter column pipe in well and "pit-less" adapter.

Remove pump, disassemble and inspections including checking motor winding and cable resistance, along with "pit-less" adapter. Provide report and recommendations for recommended repairs.

Install new or repaired pump motor, cable column pipe and column foot valve.

6. Furnish Water Lube column assembly.

8" x 1 3/16 "

a. 10 foot section

b. 5 foot section

10" x 1 1/2"

a. 10 foot section

b. 5 foot section

10" x 1 11/16"

a. 10 foot section

b. 5 foot section

Submersible column 4" schedule 40 steel threaded and coupled drop pipe

7. Refurbish Discharge Head

8. Combination gear drive maintenance

9. Furnish new 10" or 11" diameter Bowl assembly

1st state with suction, discharge nozzles and suction pipe (1000GPM Vs 50'TDH)

Additional stage

Certified non-witness test

10. Furnish new 12" or 13" diameter Bowl assembly

1st state with suction, discharge nozzles and suction pipe (1380GPM Vs 50'TDH)

Additional stage

Certified non-witness test

11. Furnish new 25HP, 3450RPM motor, cable, 4" foot valve and bowl assembly.

12. Compensation for specific brand name parts and components including handling and freight:

Up to \$100 bidder TOTAL invoice cost + profit

Up to \$500 bidder TOTAL invoice cost + profit

Up to \$1000 bidder TOTAL invoice cost + profit

Up to \$5000 bidder TOTAL invoice cost + profit

Above \$5000 bidder TOTAL invoice cost + profit

13. Hourly on-site rate for two (2) man crew and rig to perform additional work, if required.

Additional on-site cost per hour of labor after 8 hours weeks days and Saturdays.

Additional on-site cost per hour of labor for Sundays and holidays.

14. Hourly rate for machine shop work, including machinist and equipment.

Additional cost per hour of labor after 8 hours weeks days and Saturdays.
Additional cost per hour of labor for Sundays and holidays.

15. Hourly on-site rate for field repair work, including mechanic, truck and hand tools for a minimum of two (2) hours, on the job, including travel time.
Additional on-site cost per hour of labor after 8 hours weeks days and Saturdays.
Additional on-site cost per hour of labor for Sundays and holidays.
16. TV Inspection and caliper log of well.

NOTES

- 1) It is recommended that each well site be inspected before submitting a proposal for this work since, no consideration will be given to providing additional compensation due to lack of knowledge of working conditions. Please call Mark Conklin at (631) 727-3205 to make an appointment for pre-bid inspection. Any questions will be answered either during the visit or within two days after they are submitted.
- 2) Bidder will be responsible to obtain two (2), consecutive, negative, five (5) set bacteriological samples, twenty-four hours (24) apart, as now required by the Suffolk County Health Services. Bidder will be required to provide re-sterilization services, as many times as required to obtain acceptable results, without additional compensation before final payment will be made.
- 3) Bidder must respond within 12 hours of emergency call and correct problem with (a) pumping equipment; (b) electric motor replacement within four (4) hours of electric motor failure; or (3) have repaired components delivered to site ready for installation within 21 days after authorization to proceed. The District may also elect to have some regularly scheduled maintenance work performed under this contract.
- 4) Should Bidder fail to respond within the time specified, the District has the right to hire another bidder to perform any work required.
- 5) Bidder will be paid for new or repaired equipment items only after delivery to site and ready for installation.
- 6) Bidder will only be compensated for Full Performance Field Test, if new pump meets Design Point.

**PROPOSAL
RIVERHEAD WATER DISTRICT
WELL AND PUMP SERVICE
BID #RWD-2017-21**

ITEM 1

Furnish labor and equipment to remove, inspect pump and check well:

- | | |
|------------------------------|---------------|
| A. Up to 100 feet of setting | L.S. \$ _____ |
| B. Up to 150 feet of setting | L.S. \$ _____ |
| C. Up to 200 feet of setting | L.S. \$ _____ |

Additional cost for weekdays after 8 hours or Saturday:

- | | |
|------------------------------|---------------|
| D. Up to 100 feet of setting | L.S. \$ _____ |
| E. Up to 150 feet of setting | L.S. \$ _____ |
| F. Up to 200 feet of setting | L.S. \$ _____ |

Additional cost for Sundays holidays:

- | | |
|------------------------------|---------------|
| G. Up to 100 feet of setting | L.S. \$ _____ |
| H. Up to 150 feet of setting | L.S. \$ _____ |
| I. Up to 200 feet of setting | L.S. \$ _____ |

ITEM 2

Sterilize well and install pumping equipment and miscellaneous materials as required and full field performance test:

- | | |
|------------------------------|---------------|
| A. Up to 100 feet of setting | L.S. \$ _____ |
| B. Up to 150 feet of setting | L.S. \$ _____ |
| C. Up to 200 feet of setting | L.S. \$ _____ |

Additional cost for weekdays after 8 hours or Saturday:

- | | |
|------------------------------|---------------|
| D. Up to 100 feet of setting | L.S. \$ _____ |
| E. Up to 150 feet of setting | L.S. \$ _____ |
| F. Up to 200 feet of setting | L.S. \$ _____ |

Additional cost for Sundays holidays:

- | | |
|------------------------------|---------------|
| G. Up to 100 feet of setting | L.S. \$ _____ |
| H. Up to 150 feet of setting | L.S. \$ _____ |
| I. Up to 200 feet of setting | L.S. \$ _____ |

ITEM 3

Mobilization and demobilization to remove **OR** install electric motor:

- | | |
|---|---------------|
| A. Furnish labor and equipment to remove | L.S. \$ _____ |
| B. Furnish labor and equipment to install | L.S. \$ _____ |

- C. Additional cost weekdays after 8 hours and Saturdays L.S.\$ _____
- D. Additional cost weekends and Holidays L.S.\$ _____

ITEM 3A

Mobilization and demobilization to remove **AND** install electric motor:

- E. Furnish labor and equipment to remove and install L.S.\$ _____
- F. Additional cost weekdays after 8 hours and Saturdays L.S.\$ _____
- G. Additional cost Sundays and holidays L.S.\$ _____

ITEM 4

Mobilization and demobilization to remove **OR** install gear-drive:

- A. Furnish labor and equipment to remove L.S.\$ _____
- B. Furnish labor and equipment to install L.S.\$ _____
- C. Additional cost weekdays after 8 hours or Saturday L.S.\$ _____
- D. Additional cost Sundays and Holidays L.S.\$ _____

ITEM 5

Mobilization & demobilization of crew and equipment to remove **AND** reinstall 25HP submersible pump:

- A. Additional cost weekdays after 8 hours or Saturday L.S.\$ _____
- B. Additional cost for Sundays and Holidays L.S.\$ _____

ITEM 6

- A. Furnish 8" x 1 3/16" threaded and coupled Water Lube Column assembly, complete with 410 S.S. shaft, couplings and bronze spiders:

10 foot section Each \$ _____ (10) \$ _____

5 foot section Each \$ _____ (2) \$ _____

Total \$ _____

- B. Furnish 10" x 1 1/2" threaded and coupled Water Lube Column assembly, complete with 410 S.S. shaft, Couplings and bronze spiders:

10 foot section Each \$ _____ (15) \$ _____

5 foot section Each \$ _____ (2) \$ _____

Total \$ _____

- C. Furnish 10" x 1 11/16" threaded and coupled Water Lube Column assembly, complete with 410 S.S. shaft, couplings and bronze spiders:

10 foot section Each \$ _____ (15) \$ _____

5 foot section Each \$ _____ (2) \$ _____

Total \$ _____

D. Furnish 4" diameter steel threaded and coupled drop pipe

Cost per foot \$ _____ (100ft)

Total \$ _____

ITEM 7

Labor to refurbish existing Discharge Head

L.S. \$ _____

ITEM 8

Furnish labor and equipment to service existing gear drive:

L.S. \$ _____

ITEM 9

Furnish new 10" or 11" diameter bowl assembly:

A. 1st Stage complete with suction and discharge nozzles (1) \$ _____

B. Additional Stage Each \$ _____ (3) \$ _____

C. Certified Test \$ _____

Total \$ _____

ITEM 10

Furnish new 12" or 13" diameter bowl assembly:

A. 1st Stage complete with suction, discharge nozzle
and suction pipe (1) \$ _____

B. Additional Stage Each \$ _____ (3) \$ _____

C. Certified Test L.S. \$ _____

Total \$ _____

ITEM 11

Furnish one (1) new 25HP Submersible Pump, Motor,
Cable (approx 100') & foot valve

L.S. \$ _____

ITEM 12

Compensation for furnishing brand name parts and components including
freight and trucking:

A. Up to \$100 Certified Cost plus _____ % = Sub-Total \$ _____

B. Up to \$500 Certified Cost plus _____ % = \$ _____

C. Up to \$1000 Certified Cost plus _____ % = \$ _____

D. Up to \$5000 Certified Cost plus _____ % = \$ _____

E. Above \$5000 Certified Cost plus _____ % = \$ _____

Total \$ _____

ITEM 13

- A. Hourly on-site rate for two (2) man crew with rig to perform additional work,
as required: 8 hours @ (\$_____) Sub-Total \$_____
- B. Weekdays after 8 hours and Saturdays on-site rate
(Item 12A hourly rate \$_____)x ____% = (\$_____) /hour
Sub-Total \$_____
- C. Sunday/holiday on-site rate
(Item 12A hourly rate \$_____)x ____% = (\$_____) /hour
Sub-Total \$_____
- Total \$_____

ITEM 14

Rate for machine shop work, including machinist and equipment:

- A. 8 hours @ (\$_____) Sub-Total \$_____
- B. Weekdays after 8 hours and Saturdays
(Item 14A hourly rate \$_____)x ____% = \$_____/hour
Sub-Total \$_____
- C. Sunday and Holidays
(Item 14A hourly rate hourly rate= \$_____)x ____% = \$_____/hour
Sub-Total \$_____
- Total \$_____

ITEM 15

Hourly on-site rate for field repair work, including mechanic, truck and hand tools,
including 2 hours travel time:

- A. 8 hours on-site rate @ (\$_____) Sub-Total \$_____
- B. Weekdays after 8 hours and Saturdays on-site rate
(Item 15A hourly rate \$_____)x ____% = \$_____/hour
Sub-Total \$_____
- C. Sunday/holiday on-site rate
(Item 15A hourly rate \$_____)x ____% = \$_____/hour
Sub-Total \$_____
- Total \$_____

ITEM 16

Perform labor and equipment to perform caliper log
and T.V. Inspection

L.S. \$_____

AMOUNT BID FOR TOTAL OR LUMP SUM (L.S.) OF EACH ITEM

TOTAL \$_____